

WHAT IS CLAIMED IS:

1. A pathsize control method of plural crossconnecting devices connected via a physical link in a network constituted of transmission apparatus using an SDH/SONET system and a monitoring system that monitors and controls them, the method comprising the steps of:

having means provided to at least one crossconnecting device, for monitoring pathsize and determining receiving path size; and

being able to change the size of a receive/transmit path automatically according to an input path size under control by the means.

2. A pathsize control method of plural crossconnecting devices connected via a physical link in a network constituted of transmission apparatus using an SDH/SONET system and a monitoring system that monitors and controls them, the method comprising the steps of:

having means provided to at least one crossconnecting device, for monitoring pathsize and determining receiving path;

being able to change the size of a receive/transmit path automatically according to input path size under control by the means; and

in case that the input path size exceeds a band, issuing an overpathsize alert and informing the occurrence of a path fault.

3. A pathsize control method of plural crossconnecting devices connected via a physical link in a network constituted of transmission apparatus using an SDH/SONET system and a monitoring system that monitors and controls them, the method comprising the steps of:

when a path is set for a crossconnecting device, specifying the size of the path by a user;

being able to select either one of a mode of fixedly keeping the pathsize specified by the user or a mode of monitoring pathsize and automatically changing the size of a receive/transmit path according to an input path size; and

being able to select a suitable method depending upon a service type by the user.

4. Plural crossconnecting devices connected via a physical link in a network constituted of transmission apparatus using an SDH/SONET system and a monitoring system that monitors and controls them, comprising:

means for monitoring pathsize and determining the size of a receive path; and

a function for automatically changing the size of a receive/transmit path according to input path size under control by the means.

5. An operation system for identifying a crossconnecting device and a path respectively directly causing overpathsize, for analyzing a range of a fault based upon an

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providing GUI for enabling a user to promptly correspond.